Contents

Antikainen, M., s. Pihakaski-Maunsbach, K.

Balestrini, R., Hahn, M. G., Bonfante, P., Location of cell-wall components in ectomycorrhizae of *Corylus avellana* and *Tuber magnatum* 55

Bergersen, F. J., Delivery of O_2 to bacteroids in soybean nodule cells: consideration of gradients of concentration of free, dissolved O_2 in and near symbiosomes and beneath intercellular spaces 9

Bonfante, P., s. Balestrini, R.

Boudet, A., s. Hawkins, S.

Braun, M., Immunolocalization of myosin in rhizoids of *Chara globularis* Thuill. 1

Canhoto, J. M., Cruz, G. S., Histodifferentiation of somatic embryos in cotyledons of pineapple guava (*Feijoa sellowiana* Berg) 34

Carter, J. V., s. Ericson, M. E.

Casero, P. J., Casimiro, I., Lloret, P. G., Pericycle proliferation pattern during the lateral root initiation in adventitious roots of *Allium cepa* 136

Casimiro, I., s. Casero, P. J.

Cohen, L., s. Epel, B. L.

Collings, D. A., Wasteneys, G. O., Williamson, R. E., Actin–microtubule interactions in the alga *Nitella*: analysis of the mechanism by which microtubule depolymerization potentiates cytochalasin's effects on streaming 178

Cruz, G. S., s. Canhoto, J. M.

Epel, B. L., van Lent, J. W. M., Cohen, L., Kotlizky, G., Katz, A., Yahalom, A., A 41 kDa protein isolated from maize mesocotyl cell walls immunolocalizes to plasmodesmata 70

Ericson, M. E., Carter, J. V., Immunolabeled microtubules and microfilaments are visible in multiple cell layers of rye root tip sections 215

Fujioka, S., s. Tretyn, A.

Fuller, M. S., s. Shields, J. P.

Furuya, M., s. Kawai, H.

Griffith, M., s. Pihakaski-Maunsbach, K.

Hahn, M. G., s. Balestrini, R.

Hardham, A. R., s. Suzaki, E.

Harold, F. M., s. Harold, R. L.

Harold, R. L., Money, N. P., Harold, F. M., Growth and morphogenesis in *Saprolegnia ferax*: is turgor required? 105

Hawes, C., s. Satiat-Jeunemaitre, B.

Hawkins, S., Boudet, A., Wound-induced lignin and suberin deposition in a woody angiosperm (*Eucalyptus gunnii* Hook.): histochemistry of early changes in young plants 96

Hunte, C., s. Janßen, M.

Jackson, S. L., s. Suzaki, E.

Janßen, M., Hunte, C., Schulz, M., Schnabl, H., Tissue specification and intracellular distribution of actin isoforms in *Vicia faba* L. . . . 158

Katz, A., s. Epel, B. L.

Kawai, E., s. Wada, Y.

Kawai, H., Nakamura, S., Mimuro, M., Furuya, M., Watanabe, M., Microspectrofluorometry of the autofluorescent flagellum in phototactic brown algal zoids 172

.Kendrick, R. E., s. Tretyn, A.

Kotlizky, G., s. Epel, Bernard L.

Kouwets, F. A. C., Ultrastructural studies of the cell cycle in a multicentriolar form of *Bracteacoccus minor* (Chlorophyceae, Chlorellales) 191

Lachaud, S., Maurousset, L., Occurrence of plasmodesmata between differentiating vessels and other xylem cells in *Sorbus torminalis* L. Crantz and their fate during xylem maturation 220

Lloret, P. G., s. Casero, P. J.

Maunsbach, A. B., s. Pihakaski-Maunsbach, K.

Maurousset, L., s. Lachaud, S.

Michalak, M., s. Opas, M.

Milner, R. E., s. Opas, M.

Mimuro, M., s. Kawai, H.

Mingo-Castel, A., s. Sanz, M. J.

Money, N. P., s. Harold, R. L.

Nakamura, S., s. Kawai, H.

Ohsumi, M., s. Wada, Y.

Ohsumi, Y., s. Wada, Y.

Opas, M., Tharin, S., Milner, R. E., Michalak, M., Identification and localization of calreticulin in plant cells 164

Pihakaski-Maunsbach, K., Griffith, M., Antikainen, M., Maunsbach, A. B., Immunogold localization of glucanase-like antifreeze protein in cold acclimated winter rye 115

Sakurai, A., s. Tretyn, A.

Sanz, M. J., Mingo-Castel, A., van Lammeren, A. A. M., Vreugdenhil, D., Changes in the microtubular cytoskeleton precede in vitro tuber formation in potato 46

Satiat-Jeunemaitre, B., Steele, C., Hawes, C., Golgi-membrane dynamics are cytoskeleton dependent: a study on Golgi stack movement induced by brefeldin A 21

Schnabl, H., s. Janßen, M.

Schulz, M., s. Janßen, M.

Shields, J. P., Fuller, M. S., Ultrastucture of chytridiomycete and comycete zoospores using spray-freeze fixation 84
Steele, C., s. Satiat-Jeunemaitre, B.
Suzaki, E., Suzaki, T., Jackson, S. L., Hardham, A. R., Changes in intracellular pH during zoosporogenesis in *Phytophthora cinnamomi* 79
Suzaki, T., s. Suzaki, E.

Tharin, S., s. Opas, M.
Tretyn, A., Kendrick, R. E., Fujioka, S., Sakurai, A., Cytochemical and histochemical characterization of cotyledonary bodies from *Pharbitis nil* seedlings 205

van Lammeren, A. A. M., s. Sanz, María Jesús
van Lent, J. W. M., s. Epel, Bernard L.
Vreugdenhil, Dick, s. Sanz, M. J.

Wada, Y., Ohsumi, Y., Kawai, E., Ohsumi, M., Mutational analysis of Vam4/Ypt7p function in the vacuolar biogenesis and morphogenesis in the yeast, *Saccharomyces cerevisiae* 126
Wasteneys, G. O., s. Collings, David A.
Watanabe, M., s. Kawai, Hiroshi
Williamson, Richard E., s. Collings, David A.
Wolf, K. W., Acetylation of α-tubulin in male meiotic spindles of *Pyrrhocoris apterus*, an insect with holokinetic chromosomes . 148

Yahalom, Avital, s. Epel, Bernard L.